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(71) Applicant (for all designated States except US): THOMSON LICENSING S.A. [FR/FR]; 46 Quai A. le Gallo, F-92100 Boulogne-Billancourt (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KÖGEL, Reinhard [DE/DE]; Gewerbestr. 8, 78086 Brigachtal (DE). LOUVEL, Jean-Paul [FR/DE]; Am Boegle 30, 78086 Brigachtal (DE).

(74) Agent: ARNOLD, Klaus-Peter; Deutsche Thomson-Brandt GmbH, European Patent Operations, Karl-Wiechert-Allee 74, 30625 Hannover (DE).

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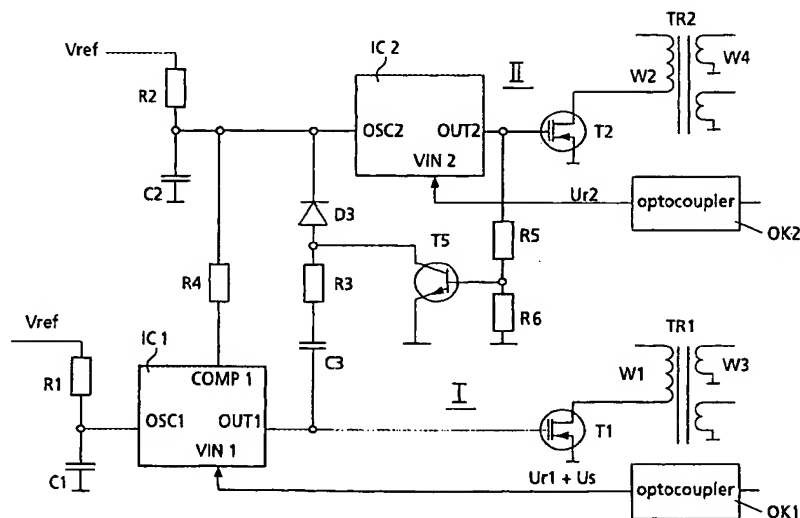
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(54) Title: POWER SUPPLY HAVING TWO SWITCH-MODE POWER SUPPLY UNITS



(57) Abstract: The power supply has a first and a second SMPS (I, II), which both contain a transformer having a primary winding and at least one secondary winding. The power supply furthermore has a normal operation, in which both SMPS units are in operation, and a standby operation, in which the first SMPS unit is switched off by a control voltage (Us). In this case, the control voltage (Us) is simultaneously used to reduce the switching frequency of the second SMPS unit (II) in standby operation, for example by means of a connection (R4), which reduces the oscillation frequency of the oscillator of the second driver stage (IC2). In a preferred exemplary embodiment, the output of the first driver stage (OUT1) is furthermore connected via a series circuit (C3, D3, R3) to the oscillator input (OSC2) of the second driver stage (IC2), for synchronization purpose.

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